

INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 110.00810101	Serial No.: 09/647,475
	Applicant(s): LYNGBERG et al.	Confirmation No.: 7111
	Application Filing Date: August 20, 2001	Group: 1641
	Information Disclosure Statement mailed: January 23, 2006	

U.S. PATENT DOCUMENTS


Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	None					

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
	None					Yes	No

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Document Description
✓	Dow Reichhold Specialty Latex LLC, Material Safety Data Sheet, Material Description: Latex DL 233NA, Effective Date: 1/3/2006, MSDS No: DRSL0001, Material Code: 150984, Research Triangle Park, NC, 7 pgs.
✓	Dow Reichhold Specialty Latex LLC, Product Bulletin, DL 233, 1 pg.

EXAMINER 	Date Considered 6/5/06
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 110.0081 0101

Serial No.: 09/647,475

Applicant(s): Lyngberg et al.

Filing Date: 29 September 2000

Int'l Filing Date: 17 September 1999

Group: Unassigned

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
✓	3,992,158	11/16/76	Przybylowicz et al.			
	4,050,898	09/27/77	Goffe et al.			
	4,797,363	01/10/89	Teodorescu et al.			
	5,447,836	09/05/95	Wolber et al.			
	5,498,525	03/12/96	Rees et al.			
	5,571,722	11/05/96	Rosson			
	5,612,184	03/18/97	Rosson			
	5,723,330	03/03/98	Rees et al.			
	5,728,350	03/17/98	Kinoshita et al.			
	5,763,170	06/09/98	Raybuck			
	5,776,681	07/07/98	Virta et al.			
	5,804,083	09/08/98	Ishii et al.			
	5,855,836	01/05/99	Leyden et al.			
	5,879,951	03/09/99	Sy			
	5,927,547	07/27/99	Papen et al.			
	6,079,283	06/27/00	Papen et al.			
	6,083,762	07/04/00	Papen et al.			
6,094,966	08/01/00	Papen et al.				

RECEIVED
OCT 24 2001
TC 1700

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	SubClass	Translation	
						Yes	No
✓	0 168 933 A2	01/22/86	EPO				
	0 318 452 A1	05/31/89	EPO				
	0 469 021 B1	02/05/92	EPO				
	0 711 199 B1	05/15/96	EPO				
	JP 62138502	06/22/87	Japan (English language abstract only)				

EXAMINER

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Based on Form PTO-FB-A820 Patent and Trademark Office, U.S. Department of Commerce
(Also form PTO-1449)

INFORMATION
DISCLOSURE
STATEMENT

Atty. Docket No.: 110.0081 0101

Serial No.: 09/647,475

Applicant(s): Lyngberg et al.

Filing Date: 29 September 2000
Int'l Filing Date: 17 September 1999

Group: Unassigned

RECEIVED

OCT 24 2001

TC 1700

		JP 62294083	12/21/87	Japan (English language abstract only)				
		WO 89/03878	05/05/89	PCT (with English language abstract)				X
		WO 90/04037	04/19/90	PCT (with English language abstract)				X
		WO 90/04041	04/19/90	PCT				
		WO 90/05910	05/31/90	PCT				
		WO 90/08836	08/09/90	PCT with English language abstract)				X
		WO 90/12887	11/01/90	PCT				
		WO 92/15687	09/17/92	PCT				
		WO 95/03878	02/09/95	PCT				
		WO 95/19446	07/20/95	PCT				
		WO 95/25116	09/21/95	PCT				
		WO 00/16098	03/23/00	PCT				

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

		"Bug Light: 1998 Discover Technology Awards," <u>Discover</u> , 19(7):84 (1998).
		Flickinger, Michael C., Biotechnology Development grant (no abstract on file), Grant Number 1T32GM08347-01A1 [online]. National Institutes of General Medical Sciences, project dates 09/25/90-06/30/95 [retrieved on January 24, 2001]. Retrieved from the Internet: URL: ,1">http://commons.cit.nih.gov/crisp_historical/crisp_lib.getdoc?textkey=3538536&p_grant_num=1T32GM08347-01A1&p_query=ticket=18343&p_audit_session_id=334651&p_keywords=>,1 page.

EXAMINER

Date Considered

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Based on Form PTO-FB-A820 Patent and Trademark Office, U.S. Department of Commerce
(Also form PTO-1449)

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 110.0081 0101

Serial No.: 09/647,475

Applicant(s): Lyngberg et al.

Filing Date: 29 September 2000

Int'l Filing Date: 17 September 1999

Group: Unassigned



RECEIVED
OCT 4 2001
T301700

h		Flickinger, Michael C., Biotechnology Development grant (no abstract on file), Grant Number 5T32GM08347-02 [online]. National Institutes of General Medical Sciences, project dates 09/25/90-06/30/95 [retrieved on January 24, 2001]. Retrieved from the Internet: URL: ">http://commons.cit.nih.gov/crisp_historical/crisp_lib.getdoc?textkey=3538537&p_grant_num=5T32GM08347-02&p_query=ticket=18343&p_audit_session_id=334651&p_keywords=> , 1 page.
		Flickinger, Michael C., Biotechnology Development grant (no abstract on file), Grant Number 5T32GM08347-03 [online]. National Institutes of General Medical Sciences, project dates 09/25/90-06/30/95 [retrieved on January 24, 2001]. Retrieved from the Internet: URL: ">http://commons.cit.nih.gov/crisp_historical/crisp_lib.getdoc?textkey=3538538&p_grant_num=5T32GM08347-03&p_query=ticket=18343&p_audit_session_id=334651&p_keywords=> , 1 page.
		Flickinger, Michael C., Biotechnology Development grant (no abstract on file), Grant Number 5T32GM08347-04 [online]. National Institutes of General Medical Sciences, project dates 09/25/90-06/30/95 [retrieved on January 24, 2001]. Retrieved from the Internet: URL: ">http://commons.cit.nih.gov/crisp_historical/crisp_lib.getdoc?textkey=2167984&p_grant_num=5T32GM08347-04&p_query=ticket=18343&p_audit_session_id=334651&p_keywords=> , 1 page.
		Flickinger, Michael C., Biotechnology Development grant (no abstract on file), Grant Number 5T32GM08347-05 [online]. National Institutes of General Medical Sciences, project dates 09/25/90-06/30/95 [retrieved on January 24, 2001]. Retrieved from the Internet: URL: ">http://commons.cit.nih.gov/crisp_historical/crisp_lib.getdoc?textkey=2167985&p_grant_num=5T32GM08347-05&p_query=ticket=18343&p_audit_session_id=334651&p_keywords=> , 1 page.
↓		Flickinger, Michael C. "Enhanced Gene Expression in Immobilized Whole-Cell Biocatalysis," Grant No. 9424063, Continuing Grant, 08/01/95-07/31/98 (abstract) [online]. National Science Foundation, Division of Bioengineering and Environmental Systems, Washington, D.C. [retrieved January 23, 2001]. Retrieved from: Dialog Information Services, FEDRIP Database, 1 page.

EXAMINER

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION
DISCLOSURE
STATEMENT

Atty. Docket No.: 110.0081 0101

Serial No.: 09/647,475

Applicant(s): Lyngberg et al.

Filing Date: 29 September 2000

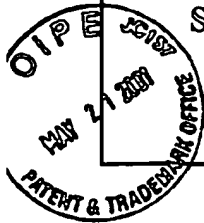
Int'l Filing Date: 17 September 1999

Group: Unassigned

RECEIVED

OCT 14 2000

TC 1700



h		Freemantle, "Downsizing Chemistry: Chemical analysis and synthesis on microchips promise a variety of potential benefits," <u>Chemical and Engineering News</u> , 77(8):27-36 (February 22, 1999).
		Hellemans, "Rubber Mold Carves a Path to Micromachines," <u>Science</u> , 285(5424):19, 21 (July 2, 1999).
		Huang et al., "Microstructure Evolution in Polymer Latex Coatings for Whole-Cell Biocatalyst Application," <u>Journal of Colloid and Interface Science</u> , 215(2):226-243 (July 15, 1999).
		Kenis et al., "Microfabrication Inside Capillaries Using Multiphase Laminar Flow Patterning," <u>Science</u> , 285(5424):83-85 (July 2, 1999).
		Lyngberg, "Patch Coating a Bio-indicator," Abstract and Poster, Coating Process Fundamentals Program - Fall Review, University of Minnesota Center for Interfacial Engineering, NSF Engineering Research Center, 17 pages (September 22, 1997; Web publication September 17, 1997).
		Lyngberg et al., "Mercury Detection Using Latex Immobilized Cells," Abstract and Poster, Meeting, North Central Branch American Society of Microbiology, St. Cloud State University, MN, 10 pages (October, 1997).
		Lyngberg et al., "A single-use luciferase-based biosensor using copolymer-film immobilized viable E. coli HB101," Abstract, database CHEMABS [Online] Chemical Abstracts Service, Columbus, Ohio, retrieved from STN XP002127579 & Book of Abstracts, 216 th ACS National Meeting, Boston, August 23-27 (1998).
		Lyngberg et al., "A Patch Coating Method for Preparing Biocatalytic Films of <i>Escherichia coli</i> ," <u>Biotechnology and Bioengineering</u> , 62(1):44-55 (January 5, 1999).
		Lyngberg et al., "A single-use luciferase-based mercury biosensor using <i>Escherichia coli</i> HB101 immobilized in a latex copolymer film," Abstract, CHEMABS [Online] Chemical Abstracts Service, Columbus, Ohio, retrieved from STN database accession no. 131:268025 XP002127580 & <u>Journal of Industrial Microbiology and Biotechnology</u> , 23(1):668-676 (1999).
✓		Lyngberg et al., "A single-use luciferase-based mercury biosensor using <i>Escherichia coli</i> HB101 immobilized in a latex copolymer film," <u>Journal of Industrial Microbiology and Biotechnology</u> , 23(1):668-676 (July, 1999).

EXAMINER	<i>CAH/UL</i>	Date Considered	6/5/06
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

INFORMATION
DISCLOSURE
STATEMENT

Atty. Docket No.: 110.0081 0101

Serial No.: 09/647,475

Applicant(s): Lyngberg et al.

Filing Date: 29 September 2000

Int'l Filing Date: 17 September 1999

Group: Unassigned

RECEIVED

OCT 24 2001

TC 1700

h		Maniatis et al., <u>Molecular Cloning: A Laboratory Manual</u> , Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York, Title page, publication page and table of contents only, 8 pages (1982).
		Martens et al., "Immobilisation of photosynthetic cells based on film-forming emulsion polymers," <u>Analytica Chimica Acta</u> , 292:49-63 (1994).
		Selifonova et al., "Bioluminescent Sensors for Detection of Bioavailable Hg(II) in the Environment," <u>Applied and Environmental Microbiology</u> , 59(9):3083-3090 (1993).
		Swope et al., "Activation and Regeneration of Whole Cell Biocatalysts: Initial and Periodic Induction Behavior in Starved <i>Escherichia coli</i> after Immobilization in Thin Synthetic Films," <u>Biotechnology and Bioengineering</u> , 51:360-370 (1996).
		Swope et al., "The Use of Confocal Scanning Laser Microscopy and Other Tools to Characterize <i>Escherichia coli</i> in a High-Cell-Density Synthetic Biofilm," <u>Biotechnology and Bioengineering</u> , 52:340-356 (1996).
		Swope et al., "Investigation of Gene Expression in Synthetic Biofilms to Extend the Activity of Immobilized Whole Cell Catalysts," <u>Progress in Biotechnology 11, Immobilized Cells: Basics and Applications</u> , Proceedings of an International Symposium, The Working Party on Applied Biocatalysis of the European Federation of Biotechnology, The Netherlands, pages 313-319 (November 26-29, 1995).
		Thiagarajan et al., "Cryo-Electron Microscopy of Polymer Particles in a High Cell Density Synthetic Biofilm," <u>Progress in Biotechnology 11, Immobilized Cells: Basics and Applications</u> , Proceedings of an International Symposium, The Working Party on Applied Biocatalysis of the European Federation of Biotechnology, The Netherlands, pages 298-303 (November 26-29, 1995).
✓		Thiagarajan et al., "Investigation of Oxygen Consumption by <i>E. coli</i> Immobilized in a Synthetic Biofilm Using a Thin Film Plug Reactor (TFPR)," <u>Progress in Biotechnology 11, Immobilized Cells: Basics and Applications</u> , Proceedings of an International Symposium, The Working Party on Applied Biocatalysis of the European Federation of Biotechnology, The Netherlands, pages 304-312 (November 26-29, 1995).

EXAMINER <i>C/H/mj/llr</i>	Date Considered <i>6/5/06</i>
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	


INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 110.0081 0101	Serial No.: 09/647,475
	Applicant(s): Lyngberg et al.	
	Filing Date: 29 September 2000 Int'l Filing Date: 17 September 1999	Group: Unassigned

OIP
MAY 21 2001
T & TRADEMARK OFFICE

RECEIVED

MAY 24 2001

TC 1700

	Thiagarajan et al., "Microstructure of a Biocatalytic Latex Coating Containing Viable <i>Escherichia coli</i> Cells," <u>Journal of Colloid and Interface Science</u> , 215(2):244-257 (July 15, 1999).
EXAMINER	Date Considered 6/5/01
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Based on Form PTO-FB-A820 Patent and Trademark Office, U.S. Department of Commerce
(Also form PTO-1449)